



Department of Commerce



DEPARTMENT OF
ECOLOGY
State of Washington



Washington
Department of
**FISH and
WILDLIFE**

Critical Areas Monitoring and Adaptive Management

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January 18, 2018
Peninsula Planners Forum

Workshop Part I Goals

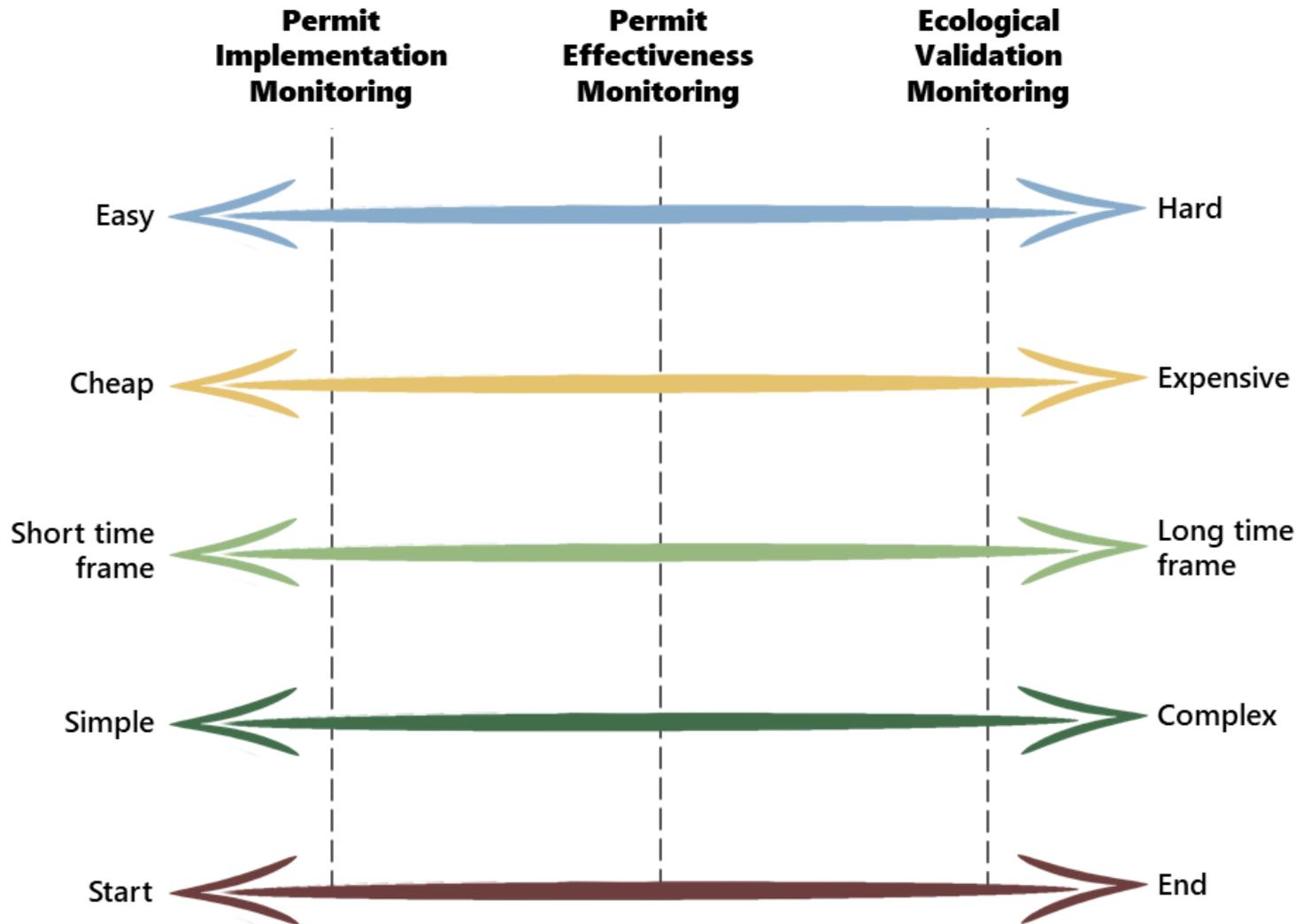


- Introduce the concept of critical areas permit monitoring and adaptive management
- Explain/explore why it might be beneficial
- Share tools for monitoring critical areas permits and regulations.
- Lay the groundwork for Part 2 of the workshop on April 19.

Why Monitor? Legal basis?

- No statutory requirement to monitor under GMA or SMA.
- Best Available Science WAC 365-195:
 - Encourages monitoring and evaluation of critical areas protection efforts (905(6)).
 - In absence of valid scientific information, recommends a “precautionary or no risk” approach, or an interim adaptive management approach (920).
- Monitoring has been required in some hearings board cases under certain circumstances:
 - Jefferson County choosing less stringent protection standards against seawater intrusion into potable water supplies(2002)
 - Skagit County choosing to take a less-than-precautionary approach for protection (2003)
 - San Juan County limitations on modeling and data regarding impact of increased UGA densities on seawater intrusion into critical aquifer recharge area (2006)

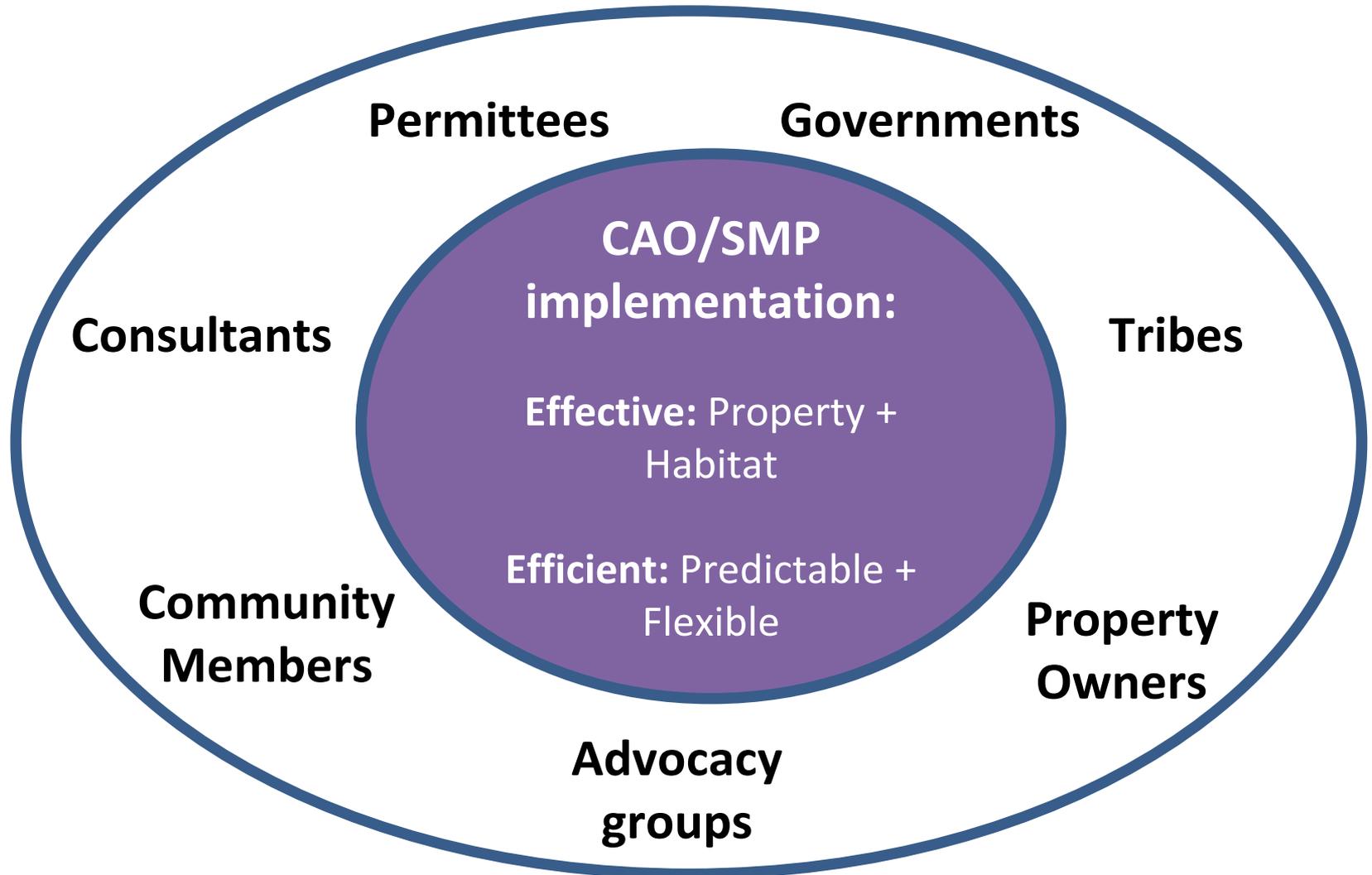
Levels of Monitoring – A Continuum



Critical Areas Monitoring and Adaptive Management – What we are recommending

What We ARE Talkin' About	What We Are NOT Talkin' About
<p>Monitoring or tracking of local government permit implementation and/or applicant compliance with mitigation requirements.</p> <p>And adaptively managing with revisions to the permit process based on an evaluation of the results of monitoring permit implementation or mitigation.</p>	<p>Analyzing whether critical areas permits are having their intended ecological outcomes – protecting function and values of critical areas.</p>

Why Monitor? Addressing Common Interests



Are we achieving “no net loss?”

We can only know if we are achieving No Net Loss through implementation over time

Guiding principles as we build “feedback loops:”

- Humility
- Curiosity
- Respect
- Partnerships



Prepared for

City of Benton City
City Hall
708 9th Street
Benton City, Washington 99320



SMPs: Cumulative impact analysis projected forward and determined regulations would achieve “No Net Loss.”

Why Monitor Critical Areas Regulations?

Group Exercise

What are the potential benefits of monitoring critical areas regulations in your jurisdiction?

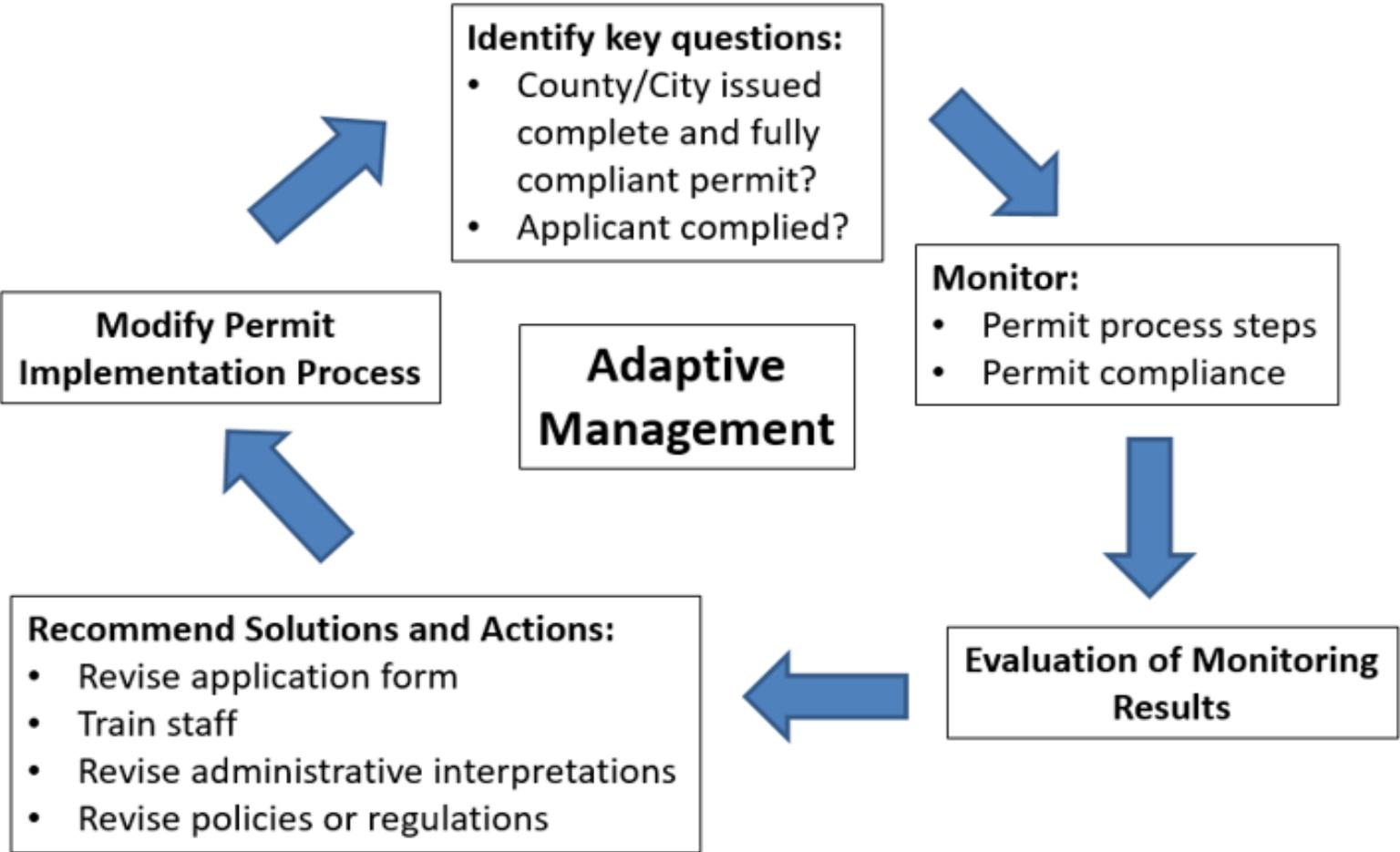


Steps for Monitoring and Adaptive Management



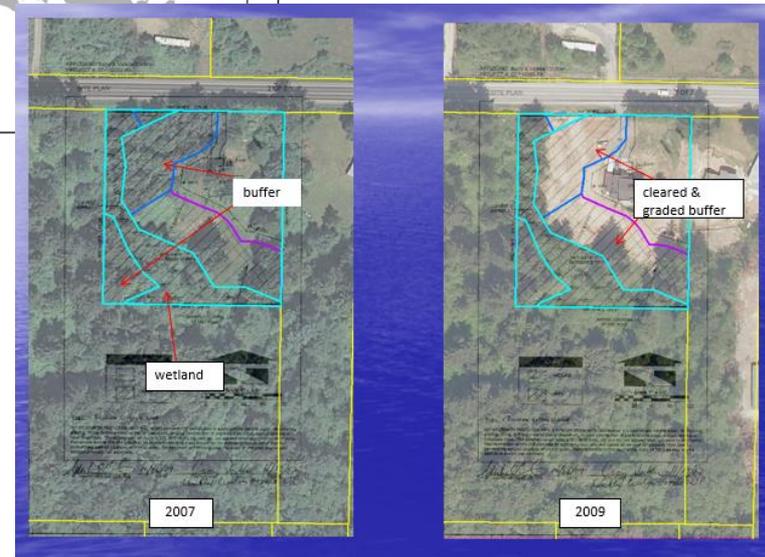
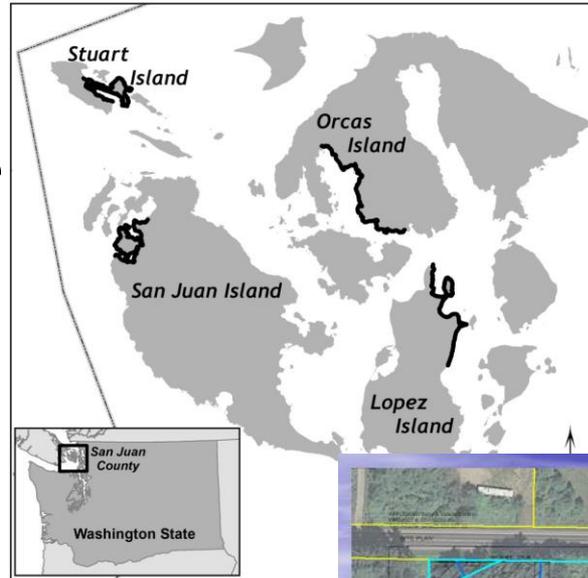
1. Articulate reasons for Monitoring
2. Identify Key Study Questions/Objectives
3. Design Monitoring Program
4. Determine Monitoring Time Frame
5. Evaluate Results and Make Recommendations

Permit Monitoring and Adaptive Management

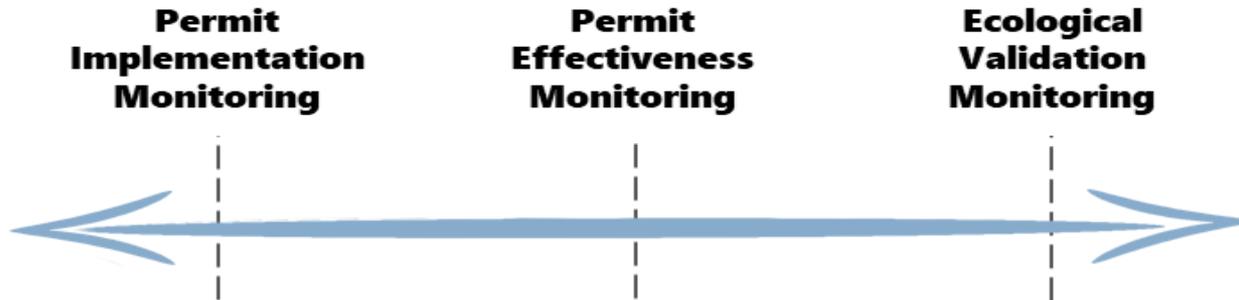


Case Studies of Monitoring Programs

- Snohomish County
- San Juan County Initiative
- Jefferson County
- Thurston County
- City of Kirkland
- WDFW Hydraulic Project Approvals
- Ecology Wetland Regulatory Effectiveness
- US Army Corps Mitigation Compliance



County and City Case Studies



- Snohomish County
- Jefferson County
- San Juan County
- Thurston County
- City of Kirkland



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Questions?

[Draft Monitoring and
Adaptive Management
Chapter](#)

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